

**AMENDMENTS TO THE CLAIMS:**

Claims 54-71 are canceled without prejudice or disclaimer. Claims 72-90 are added. The following is the status of the claims of the above-captioned application, as amended.

**Claim 72 (New).** An animal feed composition, comprising

(a) a xylanase of Family 11 glycosyl hydrolase having a pH-optimum in the range of 4.5-7.5 and a residual xylanase activity after incubation for 60 minutes at pH 6.0 of one or more of: more than 96% residual activity when measured at 60°C; more than 83% residual activity when measured at 65°C; more than 20% residual activity when measured at 70°C; and more than 10% residual activity when measured at 75°C, wherein the xylanase is encoded by a DNA sequence that hybridizes with nucleotides 31-705 of SEQ ID NO: 1 under hybridization conditions comprising hybridization in 5XSSC at 45°C and washing in 2XSSC, 0.2% SDS at 70°C or comprises an amino acid sequence having at least 95% identity to the amino acid sequence of SEQ ID NO: 2; and

(b) a cereal.

**Claim 73 (New).** The animal feed composition of claim 72, further comprising arabinoxylans and glucuronoxylans

**Claim 74 (New).** The animal feed composition of claim 72, further comprising one or more enzymes selected from the group consisting of arabinanases, endoglucanases, galactanases, alpha-galactosidases, beta-galactosidases, alpha-galacturonidases, beta-glucanases, lipolytic enzymes, mannan acetyl esterases, mannanases, beta-mannosidases, pectate lyases, pectin degrading enzymes, pectinesterases, pectin lyases, phytases, polygalacturonases, proteases, rhamnogalacturonases, rhamnogalacturonan acetyl esterases, rhamnogalacturonan-alpha-rhamnosidase, xylan acetyl esterases, and xylosidases.

**Claim 75 (New).** The animal feed composition of claim 72, wherein the xylanase is derived from a thermophilic fungus.

**Claim 76 (New).** The animal feed composition of claim 75, wherein the thermophilic fungus is selected from the group consisting of *Byssochlamus*, *Chaetomium*, *Humicola*, *Malbranchea*, *Mucor*, *Myceliophthora*, *Paecilomyces*, *Talaromyces*, *Thermoascus*, *Thermomyces* and *Thielavia*.

Claim 77 (New). The animal feed composition of claim 75, wherein the thermophilic fungus is a *Pyrenomycetes*.

Claim 78 (New). The animal feed composition of claim 75, wherein the thermophilic fungus is a *Plectomycetes*.

Claim 79 (New). The animal feed composition of claim 75, wherein the thermophilic fungus is an *Erotiales*.

Claim 80 (New). The animal feed composition of claim 72, wherein the xylanase is encoded by a DNA sequence that hybridizes with nucleotides 31-705 of SEQ ID NO: 1 under hybridization conditions comprising hybridization in 5XSSC at 45°C and washing in 2XSSC, 0.2% SDS at 70°C.

Claim 81 (New). The animal feed composition of claim 80, wherein the xylanase is encoded by a DNA sequence that hybridizes with nucleotides 31-705 of SEQ ID NO: 1 under hybridization conditions comprising hybridization in 5XSSC at 45°C and washing in 2XSSC, 0.2% SDS at 75°C.

Claim 82 (New). The animal feed composition of claim 81, wherein the xylanase is encoded by a DNA sequence that hybridizes with nucleotides 31-705 of SEQ ID NO: 1 under hybridization conditions comprising hybridization in 5XSSC at 45°C and washing in 2XSSC, 0.2% SDS at 80°C.

Claim 83 (New). The animal feed composition of claim 72, wherein the xylanase comprises an amino acid sequence having at least 95% identity to the amino acid sequence of SEQ ID NO: 2.

Claim 84 (New). The animal feed composition of claim 83, wherein the xylanase comprises a sequence of amino acids 32-225 of SEQ ID NO: 2.

Claim 85 (New). The animal feed composition of claim 84, wherein the xylanase consists of a sequence of amino acids 32-225 of SEQ ID NO: 2.

Claim 86 (New). The animal feed composition of claim 83, wherein the xylanase comprises an amino acid sequence of SEQ ID NO: 2.

Claim 87 (New). The animal feed composition of claim 86, wherein the xylanase consists of an amino acid sequence of SEQ ID NO: 2.

Claim 88 (New). The animal feed composition of claim 72, wherein the xylanase is a monocomponent xylanase.

Claim 89 (New). A method of improving the growth of an animal, comprising feeding the animal with an animal feed composition of claim 72.

Claim 90 (New). An animal feed composition, consisting of

(a) a xylanase of Family 11 glycosyl hydrolase having a pH-optimum in the range of 4.5-7.5 and a residual xylanase activity after incubation for 60 minutes at pH 6.0 of one or more of: more than 96% residual activity when measured at 60°C; more than 83% residual activity when measured at 65°C; more than 20% residual activity when measured at 70°C; and more than 10% residual activity when measured at 75°C, wherein the xylanase is encoded by a DNA sequence that hybridizes with nucleotides 31-705 of SEQ ID NO: 1 under hybridization conditions comprising hybridization in 5XSSC at 45°C and washing in 2XSSC, 0.2% SDS at 70°C or comprises an amino acid sequence having at least 95% identity to the amino acid sequence of SEQ ID NO: 2;

(b) a cereal; and

(c) one or more of the following: arabinoxylans, glucuronoxylans, enzymes selected from the group consisting of arabinanases, galactanases, alpha-galactosidases, beta-galactosidases, alpha-galacturonidases, beta-glucanases, lipolytic enzymes, mannan acetyl esterases, mannanases, beta-mannosidases, pectate lyases, pectin degrading enzymes, pectinesterases, pectin lyases, phytases, polygalacturonases, proteases, rhamnogalacturonases, rhamnogalacturonan acetyl esterases, rhamnogalacturonan-alpha-rhamnosidase, xylan acetyl esterases, and xylosidases, vitamins, fish meal, meat and bone meal, animal fat, methionine, protein, animal fat, methionine, limestone, dicalciumphosphate, choline chloride, cystine, arginine, calcium, phosphorus, and sodium.